

**WIRELESS NETWORK USING SHARED TRAFFIC CHANNEL
MODE OF OPERATION FOR BROADCAST SERVICES**

ABSTRACT OF THE DISCLOSURE

A wireless network base station for transmitting broadcast data to a plurality of mobile stations in a coverage area of the base station. The base station transmits a first control message to the mobile stations that assigns a shared public long code mask (PLCM) to the mobile stations. The base station also transmits a second control message to the mobile stations that assigns a shared Walsh Code (WC) to the mobile stations. Thereafter, the base station transmits the broadcast data to the mobile stations using the shared PLCM and the shared WC.